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## **CLAIMS**

- 1. An isolated polypeptide comprising an amino acid sequence which has at least 85% identity to the amino acid sequence of: SEQ ID NO:2.
- 2. An isolated polypeptide as claimed in claim 1 in which the amino acid sequence has at least 95% identity to the amino acid of: SEQ ID NO:2.
- 3. The polypeptide as claimed in claim 1 comprising the amino acid of: SEQ ID NO: 2.
- 4. An isolated polypeptide of SEQ ID NO:2.
- 5. An immunogenic fragment of the polypeptide as claimed in any one of claims 1 to 4 in which the immunogenic activity of said immunogenic fragment is substantially the same as the polypeptide of SEQ ID NO:2.
- 6. An isolated polynucleotide comprising a nucleotide sequence encoding the polypeptide of SEQ ID NO:2.
- 7. An isolated polynucleotide comprising the polynucleotide of SEQ ID NO:1.
  - 8. An isolated polynucleotide comprising a nucleotide sequence encoding the polypeptide of SEQ ID NO:2, obtainable by screening an appropriate library under stringent hybridization conditions with a labeled probe having the sequence of SEQ ID NO:1 or a fragment thereof.
  - 9. An expression vector or a recombinant live microorganism comprising an isolated polynucleotide according to any one of claims 6 8.

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- 10. A process for expressing a polynucleotide of any one of claims 6 8 comprising transforming a host cell with the expression vector comprising at least one of said polynucleotides and culturing said host cell under conditions sufficient for expression of any one of said polynucleotides.
- 11. A vaccine composition comprising an effective amount of the polypeptide of any one of claims 1 to 5 and a pharmaceutically acceptable carrier.

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- 10 12. A vaccine composition comprising an effective amount of the polynucleotide of any one of claims 6 to 8 and a pharmaceutically acceptable carrier.
  - 13. The vaccine composition according to either one of claims 11 or 12 wherein said composition comprises at least one other *Neisseria meningitidis* antigen.
  - 14. An antibody immunospecific for the polypeptide or immunological fragment as claimed in any one of claims 1 to 5.
- 15. A method of diagnosing a Neisseria meningitidis infection, comprising identifying a polypeptide as claimed in any one of claims 1 5, or an antibody that is immunospecific for said polypeptide, present within a biological sample from an animal suspected of having such an infection.
- 16. Use of a composition comprising an immunologically effective amount of a
  polypeptide as claimed in any one of claims 1 5 in the preparation of a medicament for use in generating an immune response in an animal.



- 17. Use of a composition comprising an immunologically effective amount of a polynucleotide as claimed in any one of claims 6 8 in the preparation of a medicament for use in generating an immune response in an animal.
- 5 18. A therapeutic composition useful in treating humans with *Neisseria meningitidis* disease comprising at least one antibody directed against the polypeptide of claims 1 5 and a suitable pharmaceutical carrier.

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